

Note on

Maharashtra Power System Overview, Under frequency operation, Load shedding (planned and Distress) for the month of Jun-2014.

Maharashtra system Overview:

The overview of Maharashtra system operation for the month Jun-2014 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in Jun-14 are given below:-
 - The State *maximum* demand was recorded as 19584 MW (including load shedding of 754 MW) on 09/06/2014 at 12:00Hrs.
 - The State *minimum* demand was recorded as 14459 MW on 22/06/2014 at 19:00Hrs.
 - The State *maximum CATERED* demand was recorded as 19452 MW on 30/06/2014 at 15:00Hrs.
 - The State has Catered 11965 Mus in the Month (Average 398.9 Mus) and max daily Catered Mus was 429.9 on 30/06/2014.

- The power supply position for **MSEDCL** in Jun-14 are given below:-
 - The *maximum* demand of MSEDCL was recorded as 16299 MW (including load shedding of 754 MW) on 09/06/2014 at 12:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 12286 MW on 22/06/2014 at 19:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 16205 MW on 30/06/2014 at 15:00Hrs.
 - MSEDCL has Catered 10074 Mus in the Month (Average 335.8 Mus) and max daily Catered Mus was 363.6 on 30/06/2014.

- The power supply position for **Mumbai system** in Jun-14 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 3365 MW on 10/06/2014 at 16:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1865 MW on 17/06/2014 at 05:00Hrs.
 - The MUMBAI SYSTEM has Catered 1891 Mus in the Month (Average 63 Mus) and max daily Mus Catered was 67.2 on 10/06/2014.

Load shedding in MSEDCL area :

- Revised Feeder wise planned load shedding protocol in MSEDCL, based on MERC Order in Case No.41 of 2012 dt.26.11.2012, is implemented wef. 16/01/2013 by MSEDCL as per circular No.46 Dated 14/01/2013. The Hourly load relief quantum is submitted at the end of the day, daily, by LM cell of MSEDCL, Kalwa.
- Max. load shedding was recorded as 1882 MW on 02/06/2014 at 16:00 Hrs. and Min. load shedding was recorded as 0 MW on 17/06/2014. Average load shedding quantum for the month was 362 MW.
- Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time. In addition, AG-LM load management scheme was in force for defined hours, as per the load shedding circular.
- There was no distress load shedding due to shortfall of supply during the month.

Other Highlights of Maharashtra System in Jun-14.

- MSPGCL Parli TPS generation Units 3, is under shut down due to water shortage w.e.f.15/02/2013.
 - RGPPL generation was NIL in Jun-14. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) is under shutdown due to gas shortage w.e.f. 29/12/2013.
 - 1.636 TMC of Koyna water was utilized for Jun 2014 and total Koyna water utilization for Water year 13-14 was 82.544 TMC.
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- Wind Generation for the month was 863.5 Mus. Average wind generation was 1199 MW/hour.
 - The average grid frequency for the month was 49.91 Hz. The Instantaneous Maximum frequency was 50.67 Hz. and Minimum frequency was 49.29 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 5793 MW (hourly max) on 25/06/2014 at 13:00 hrs.
 - MSPGCL Thermal availability was as low as 4000 MW (hourly min) on 14/06/2014 at 05:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Bhusawal S/s (443 kV) and Min voltage was recorded at Aurangabad S/s (396 kV).
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.
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